HP

All-in-One 1.51 & ProLiant Storage Server 7.1 Service Release

release notes

These release notes provide information and describe issues related to the release of AiO 1.51 Service Release for HP StorageWorks All-in-One Storage Systems and HP StorageWorks All-in-One Storage Blade Solutions and PSS Service Release 7.1 for HP ProLiant Storage Servers and HP ProLiant Data Protection Storage Servers.

Part number: 5697-0282
First edition: January 2010

AiO VERSION: 1.51, PSS VERSION: 7.1

Version information can be obtained in the HP Storage Server Management console or HP StorageWorks All-in-One Storage System Management console by selecting **System Settings** and viewing **System Information**.

Description

These release notes provide information about the contents of AiO Service Release 1.51 and PSS Service Release 7.1 and describe issues related to the release of Service Release 1.51 and 7.1 for HP StorageWorks All-in-One Storage Systems, HP StorageWorks All-in-One Storage Blade Solution servers, HP ProLiant Storage Servers and HP ProLiant Data Protection Storage Servers using the supported operating systems. The Service Release provides an installation utility and a rollup of individual support update components for your system. Applying this Service Release will update your HP All-in-One Storage System to version 1.51 and your HP ProLiant Storage Server to version 7.1.

NOTE:

Use the Service Release setup program to install the Service Release.

Update recommendation Recommended

Prerequisites

Microsoft Windows Server 2003 Service Pack 2 and Microsoft .NET Framework 3.5 Service Pack 1 are required before installing the Service Release.

- For Web downloads, Microsoft Windows Server 2003 Service Pack 2 and Microsoft .NET Framework 3.5 Service Pack 1 should be obtained separately from Microsoft; it is not included in the Service Release contents downloaded from the HP.com (Software & Drivers) site.

IMPORTANT:

If needed, the HP Storage Server Installer will guide you through the installation of Microsoft Windows Server 2003 SP2 and Microsoft .NET Framework 3.5 Service Pack 1. The following software components are required on HP Storage Server for installation of Microsoft Windows Server 2003 SP2:

- HP Storage Server System Update
- Microsoft Windows Installer 3.1
- Microsoft .NET Framework 2.0

After installing the prerequisites through the Service Release or manually, the server must be rebooted. Components might not be installed if the server is not rebooted.

For more information on this service pack, including the release notes, readme, installation instructions, list of updates, and list of security updates, see the Microsoft Windows Server 2003 Service Pack 2 Web site at http://www.microsoft.com/technet/windowsserver/sp2.mspx.

Product models

These release notes apply to the storage servers listed in the following table.

Table 1 Storage servers covered by AiO Service Release 1.51 and PSS Service Release 7.1

Product series	Product model
HP StorageWorks All-in-One Storage System	• HP StorageWorks 400 All-in-One Storage System • HP StorageWorks 600 All-in-One Storage System • HP StorageWorks 1200 All-in-One Storage System • HP StorageWorks 400r All-in-One Storage System • HP StorageWorks 400t All-in-One Storage System • HP StorageWorks 1200r All-in-One Storage System
HP StorageWorks All-in-One Storage Blade Solution	HP StorageWorks All-in-One SB600c Storage Blade Solution
HP ProLiant Storage Server	• HP ProLiant ML110 G1 Storage Server • HP ProLiant ML110 G2 Storage Server * • HP ProLiant DL100 G1 Storage Server • HP ProLiant DL100 G2 Storage Server • HP ProLiant ML350 G4 Storage Server • HP ProLiant ML350 G4p Storage Server • HP ProLiant ML370 G4 Storage Server • HP ProLiant DL380 G4 Storage Server • HP ProLiant DL580 G2 Storage Server • HP ProLiant DL585 Storage Server • HP ProLiant DL100 G2 Storage Server • HP ProLiant DL100 G2 File Print Appliance • HP ProLiant ML310 G3 Storage Server • HP ProLiant ML310 G4 Storage Server • HP ProLiant ML350 G5 Storage Server • HP ProLiant DL320s Storage Server • HP ProLiant DL380 G4 Storage Server • HP ProLiant DL380 G5 Storage Server • HP ProLiant DL585 Storage Server • HP ProLiant DL380 G5 x64 SAN Storage Server • HP ProLiant DL585 G2 Storage Server • HP ProLiant ML110 G5 Storage Server • HP ProLiant DL160 G5 Storage Server • HP ProLiant DL185 G5 Storage Server • HP ProLiant DL380 G3 Storage Server • HP ProLiant DL380 G4 x64 SAN Storage Server • HP ProLiant BL460c SAN Storage Server * The ML110 G2 Express is not supported by this release.

HP ProLiant Data Protection Storage Server	• DL100 G2 Data Protection Storage Server • ML310 G3 Data Protection Storage Server • DL380 G4 Data Protection Storage Server • DL380 G5 Data Protection Storage Server

Operating systems

Microsoft Windows Storage Server 2003 R2 Standard Edition

Microsoft Windows Storage Server 2003 R2 x64 Editions

Microsoft Windows Unified Data Storage Server 2003 Enterprise x64 Edition

NOTE:

Microsoft Windows Unified Data Storage Server 2003 Supplemental Update applies to HP ProLiant Storage Servers running Microsoft Windows Unified Data Storage Server 2003 x64 Enterprise Edition.

Languages

The Service Release is available in the following languages:

- English
- French
- Italian
- German
- Japanese
- Korean
- Simplified Chinese
- Spanish
- Traditional Chinese

Issues and workarounds

Issues and their workarounds have been identified and placed into categories. These categories are:

- General installation issues
- HP Service Release Wizard

General installation issues

This section details general issues with the installation of the Service Release or use of Service Release Installation Wizard.

Issue:	**Minimum disk space requirement for Service Release installation**
Description	The storage server should have at least 1 GB of available space on the system drive when installing the Service Release. The specific amount of disk space required depends on the components that are selected for installation.

	Workaround	Ensure that the system drive where the Service Release setup is installed has more than 1 GB of available disk space. To free up disk space, unnecessary files can be deleted from the `C:\temp` folder. This situation can also be avoided by ensuring that only the necessary components are selected for installation when the Service Release setup is run.

Issue:	**Free hard disk space requirements for Windows Server 2003 Service Pack 2 (SP2)**	
	Description	A minimum of 1.3GB of free hard disk space is required on your system when installing Windows Server 2003 SP2 from the Service Release DVD. For more information about hard disk free space requirements for Windows Server 2003 SP2, see Microsoft Knowledge Base article KB926029 at http://support.microsoft.com/kb/926029/.
	Workaround	Not applicable.

Issue:	**Intel NIC driver installation fails when installed over a network share**	
	Description	The installation of the Intel network interface card driver fails when attempted over a network share.
	Workaround	Perform the installation directly from the Service Release DVD or by copying the DVD contents to a local drive on the storage server.

Issue:	**Help and Support is missing after upgrading to Windows Server 2003 Service Pack 2**	
	Description	After upgrading a Microsoft Windows Server 2003-based computer to Microsoft Windows Server 2003 Service Pack 2 (SP2), **Help and Support** is missing from the **Start** menu. Additionally, the **Help** menu is missing in programs that are running on the Windows Server 2003 SP2-based computer.
	Workaround	See Microsoft Knowledge Base article KB937055 at http://support.microsoft.com/kb/937055

Issue:	**User intervention required during installation of SMS v2.02 on HP ProLiant DL100 G2 Storage Servers and HP StorageWorks 400 All-in-One Storage Systems with the IMB v3.0 driver**	
	Description	During installation of the Server Management System v2.02 on DL100 G2 Storage Servers and HP StorageWorks 400 All-in-One Storage Systems, the IMB v3.0 driver sometimes displays a security warning stating the driver does not have digital signature.
	Workaround	Accepting the warning message by clicking **Continue** proceeds with the installation without any issues.

Issue:	**The HP Storage Server Management console may not be available after installing the Service Release**	
	Description	The HP Storage Server Management console may not be available after installing the Service Release for some HP ProLiant Storage Servers and HP StorageWorks All-in-One Storage Systems with the HP Storage Server R2 Localization DVD — Windows Multilingual User Interface (MUI) Pack installed.

	Workaround	Using Windows **Add or Remove Programs**, remove the HP Storage Server Management Service. Run the Service Release installation again and install the HP Storage Server Management console component.

Issue:	**A mapped drive with a disconnected network path might hang the HP Service release Wizard**	
	Description	If you have a mapped drive assigned to a network path that is disconnected, it might hang the HP Service Release wizard during the installation process.
	Workaround	• Provide the complete network path URL as the path. or • Reconnect the network path for the mapped drive in Windows Explorer.

Issue:	**Old components under `C:\hpnas\components` are not deleted**	
	Description	Service Release does not delete old components while copying the latest components
	Workaround	Following folders can be deleted if present after installing all the latest components • `C:\hpnas\Components\HP-UDP4_1-PCL5-x64` • `C:\hpnas\Components\HP-UDP4_1-PCL6-x64` • `C:\hpnas\Components\HP-UDP4_1-PS-x64` • `C:\hpnas\Components\HP-UDP4_1-PCL5-32` • `C:\hpnas\Components\HP-UDP4_1-PCL6-32` • `C:\hpnas\Components\HP-UDP4_1-PS-32` • `C:\hpnas\Components\JRE\JRE-6U5-WINDOWS-I586-P.EXE`

Issue:	**While installing default components the system may reboot automatically with an error message from Service Release Wizard.**	
	Description	During installation of components, "Are you sure you want to cancel Service Release installation?" message may pop up.
	Workaround	Restart the server and start the installation of components again

Issue:	**Installation may hang at the Installation Confirmation page**	
	Description	Installation progress bar may hang at 99% completion at the Installation Confirmation page.
	Workaround	Reboot the server and start the installation again.

Issue:	**After giving the location of path of Service Release folder may give an error**	
	Description	At the Service Release Updater settings page, after providing the location of Service Release folder, the wizard may display an error message "HP Storage System Updates not found at requested location. Please try again"
	Workaround	Reboot the server and start the installation again.

Issue:	**Installation of the security patch KB939778 may fail on some platforms.**	
	Description	The security patch KB939778 may fail to install on some HP StorageWorks All-in-One Storage System and HP ProLiant Storage Server x86 platforms if Windows Services for UNIX 3.5 (Subsystem for UNIX based applications) is not installed. If this patch fails to install, then the patch is not applicable on the system.

Issue:	**Installation log may not open**	
	Description	The installation log may not open when the **Install Log** button is clicked.
	Workaround	To view the install log, go to `C:\Program Files\HP\HP Service Release\Server\Reports` and open the corresponding xml file, which will have the format `srReport-yyyymmdd-hhmmss.xml`where `yyyy/mm/dd` and `hh:mm:ss` are the date and time of installation respectively.

Issue:	**Software initiator is not updated when upgrading from some platforms**	
	Description	The latest software initiator is not updated when upgrading from PSS7.0 versions of HP ProLiant Storage Servers.
	Workaround	Manually download and install the Microsoft iSCSI Initiator from http://www.microsoft.com/windowsserver2003/technologies/storage/iscsi/default.mspx

Issue:	**Automated Storage Manager attempts to install on Enterprise versions of HP ProLiant Storage Servers with the PSS7.0 image.**	
	Description	The Service Release attempts to install ASM on Enterprise versions of HP ProLiant Storage Servers with the PSS7.0 image and displays an error message in the installation report. ASM is not compatible with Enterprise OS versions, and will therefore fail.
	Workaround	This error can be safely ignored.

HP Service Release Wizard

Issue:	**HP Service Release Client and Server fails to repair itself**	
	Description	The repair option does not complete at times for the HP Service Release Client or the HP Service Release Server.
	Workaround	1. Unistall the HP Service Release Server/Client. 2. Run the HP Service Release **setup.exe**.

Issue:	**HP NAS Updater or AiO Updater installed in previous Service Releases cannot be used to install this Service Release**

	Description	The HP NAS Updater or AiO Updater installed with previous Service Releases cannot be used to launch PSS Service Release 6.9 or AiO Service Release 1.4.2. Attempting to install this Service Release with the older utility might result in the error message `Version of Updater on this system does not support installation. Please install latest version of Updater.`
	Workaround	Install the HP Service Release Wizard bundled with this Service Release by running the `setup.exe` file located at the root level of the Service Release.

Issue:	**Network drive letter path does not work with the Service Release Wizard**	
	Description	The HP Service Release wizard can show an error indicating failure in locating components when a network share is mapped to a drive letter.
	Workaround	Provide the complete network UNC path of the HP Service Release component.

Issue:	**The HP Service Release Wizard hangs**	
	Description	The HP Service Release Wizard might appear to hang while downloading Service Release components from a network path.
	Workaround	The wizard refreshes it automatically. The refresh occurs every few seconds, and in certain instances can extend to two minutes. If the hanging issue persists, restart the system.

Issue:	**Selecting a network path for Windows Server 2003 Service Pack 2 is not accepted**	
	Description	When installing the HP Service Release using the Web update version, a **Browse** button appears on the Prerequisite page if Microsoft Windows Server 2003 Service Pack 2 is not installed on the system. If you select a network path for the Service Pack 2 location, the wizard will not accept it.
	Workaround	Copy the Microsoft Windows Server 2003 Service Pack 2 installer on the system locally, and provide the local path for selection.

Enhancements and Component Updates

Service Release 7.1 provides the following enhancements and updates for storage servers:

- HP StorageWorks All-in-One Update, version 1.51
- HP ProLiant Smart Component Updates x86 Editions
- HP ProLiant Smart Component Updates x64 Editions
- ROM Flash, Firmware, and BIOS Updates
- System Drivers and Components
- Java Runtime Environment Update, version 1.6.0 Update 14
- HP Service Release Wizard
- HP Universal Print Drivers — PCL5, PCL6, and Postscript, version 5.0
- WEBES (Web based Enterprise Services) 5.6
- Adobe Reader 9.1

NOTE:

Microsoft iSCSI Software Target 3.1 is an update only for HP ProLiant Storage Servers with Microsoft iSCSI Software Target 3.0 installed.

WEBES 5.6 is not installed but is copied to `c:\hpnas\Components\Webes`

Print drivers are not installed but are copied to `c:\hpnas\Components\PrintDrivers`

HP StorageWorks All-in-One Update, version 1.51

The following enhancements are included in All-in-One Update, version 1.51:

- HP Automated Storage Manager Server, version 3.9.0
- HP Automated Storage Manager Client, version 3.9.0
- HP VDS Hardware Provider, version 4.11.0.0
- Microsoft iSCSI Target Client, version 3.2
- To update the ASM agent, run `ASMUpdate_3.9.0.exe` on application servers.
- StorageWorks Storage Manager and HP Data Protector Express updates are no longer installed as of the ASM 3.9.0 update.
- .NET 3.0 is a prerequisite for the ASM 3.9.0 update and is not bundled with ASM 3.9.0 update.

NOTE:

The HP StorageWorks Automated Storage Manager Update version 3.9.0 is cumulative; it contains the updates in HP StorageWorks Automated Storage Manager Update Version 3.8.0 and beyond, since release of the product.

The All-in-One Update, version 1.51, component included in the Service Release does not contain Microsoft Windows Multilingual User Interface (MUI) pack to enable localization of the HP StorageWorks All-in-One Storage System. To obtain the HP StorageWorks All-in-One Storage System Localization DVD, go to the HP Software Depot at http://www.software.hp.com. Select **Storage and NAS**, and then select
HP StorageWorks All-in-One Storage System with Microsoft® Windows® Storage Server 2003 R2 Multilingual User Interface.

IMPORTANT:

After installing HP StorageWorks Automated Storage Manager Update version 3.9.0, update the ASM management agents on your application servers; the older agent version will not be compatible with version 3.9.0. Run the ASM Agent Installer setup program on your application servers after installing the Service Release. The setup program is located at: `c:\hpnas\components\ASM\ASMUpdate.exe`. The ASM Agent Installer takes you through the necessary steps for installing or upgrading the agents.

HP ProLiant Smart Component Updates x86 Editions

The ProLiant Smart Component updates are from the ProLiant Support Pack for Microsoft Windows Server 2003 x86 Editions, version 8.30.

- CP011020: HP System Management Home page

- CP010812: HP ProLiant iLO Advanced and Enhanced System Management Controller Driver
- CP010792: HP ProLiant iLO 2 Management Controller Driver
- CP010808: AMD Chipset Identifier
- CP010915: Intel Chipset Identifier
- CP010805: High Precision Event Timer Identifier
- CP010892: Headless Server Registry Update
- CP010920: PCI-express Power Management Update
- CP010806: Trusted Platform Module Identifier
- CP011021: HP ProLiant 64-Bit/66-Mhz Dual Channel Wide Ultra3 SCSI Controller Driver for Windows Server 2003
- CP010973: HP ProLiant 64-Bit/133-MHz Single/Dual Channel Ultra320 SCSI HBA and SCxxXe series SCSI HBA Driver for Windows Server 2003
- CP010974: HP 4/8 Internal Port SAS HBA with RAID and SCxxGe series HBA Driver for Windows Server 2003
- CP010732: HP ProLiant Smart Array SAS/SATA Controller Driver for Windows Server 2003
- CP011022: HP 6-Port SATA RAID Controller Driver for Windows 2000/Windows Server 2003
- CP010837: Storport miniport driver for the HP ProLiant Integrated SATA Controller
- CP010820: HP ProLiant Smart Array 5x and 6x Controller Driver for Windows Server 2003
- CP010821: HP ProLiant Smart Array Device Manager Extension for Windows Server 2003/2008
- CP010760: HP ProLiant Smart Array SAS/SATA Event Notification Service for Windows Server 2003 and Windows Server 2008
- CP010822: HP ProLiant Storage System Driver for Windows Server 2003
- CP010928: HP ProLiant Smart Array Embedded SATA RAID Controller Driver for Windows Server 2003/2008
- CP010981: HP StorageWorks Fibre Channel Adapter Kit for the x86 Emulex Storport Driver
- CP011165: HP StorageWorks Fibre Channel Adapter Kit for the x86 QLogic Storport Driver
- CP010816: HP ProLiant Remote Monitor Service
- CP010878: HP ProLiant Integrated Lights-Out Management Interface Driver
- CP010898: HP ProLiant Remote Insight Lights-Out II Board Driver
- CP010891: HP ProLiant ATI RAGE XL Video Controller Driver for Windows Server 2003
- CP010888: ATI ES1000 Video Controller Driver
- CP010922: HP StorageWorks Tape Drivers for Windows
- CP010899: HP ProLiant Rack Infrastructure Interface Service
- CP010814: HP ProLiant Integrated Management Log Viewer
- CP010883: HP ProLiant Array Configuration Utility for Windows
- CP010885: HP ProLiant Array Configuration Utility (CLI) for Windows
- CP010955: HP NC31xx Fast Ethernet NIC Driver for Windows Server 2003
- CP010958: HP NC-Series Intel Driver for Windows Server 2003
- CP011064: HP NC-Series Intel E1E Driver for Windows Server 2003
- CP011068: HP NC-Series Intel E1Q Driver for Windows Server 2003
- CP010857: HP NC-Series Broadcom 1Gb Driver for Windows Server 2003
- CP010992: HP NC-Series Broadcom 1Gb Multifunction Driver for Windows Server 2003
- CP010862: HP NC-Series Broadcom 10GbE Multifunction Driver for Windows Server 2003
- CP011049: HP NC-Series NetXen nx2 Multifunction Driver for Windows Server 2003
- CP011060: HP NC-Series NetXen nx3 Multifunction Driver for Windows Server 2003

- CP011045: QLogic iSCSI HBA STOR Miniport Driver for Windows Server 2003
- CP011041: QLogic 1GB PCI Ethernet NDIS Miniport Driver for Windows Server 2003
- CP010846: HP Network Configuration Utility
- CP010909: HP Version Control Agent for Windows
- CP010755: HP Insight Management Agents for Windows Server 2003/2008
- CP010312: HP Insight Management WBEM Providers for Windows Server 2003/2008
- CP010950: HP NULL IPMI Controller Driver
- CP010729: HP Lights-Out Online Configuration Utility for Windows Server 2003/2008
- CP010768 HP Insight Diagnostics Online Edition for Windows Server 2003/2008
- CP010851 HP StorageWorks x86 Brocade Storport Fibre Channel Host Bus Adapter Driver for Microsoft Windows Server 2003
- CP011323: ACPI-Compliant Power Meter Device Identifier

HP ProLiant Smart Component Updates x64 Editions

The ProLiant Smart Component updates are from the ProLiant Support Pack for Microsoft Windows Server 2003 x64 Editions, version 8.30. These updates apply only to HP ProLiant Storage Server x64 products.

- CP011020: HP System Management Homepage
- CP010813: HP ProLiant iLO Advanced and Enhanced System Management Controller Driver
- CP010793: HP ProLiant iLO 2 Management Controller Driver
- CP010809: AMD Chipset Identifier
- CP010916: Intel Chipset Identifier
- CP010920: PCI-express Power Management Update
- CP010892: Headless Server Registry Update
- CP010807: Trusted Platform Module Identifier
- CP010976: HP ProLiant 64-Bit/133-MHz Single/Dual Channel Ultra320 SCSI HBA and SCxxXe series SCSI HBA Driver for Windows Server 2003 x64 Editions
- CP010977: HP 4/8 Internal Port SAS HBA with RAID and SCxxGe series HBA Driver for Windows Server 2003 x64 Editions
- CP010733: HP ProLiant Smart Array SAS/SATA Controller Driver for Windows Server 2003 x64 Edition
- CP010823: HP ProLiant Smart Array 5x and 6x Controller Driver for Windows Server 2003 x64 Editions
- CP011023: HP 6-Port SATA RAID Controller Driver for Microsoft Windows Server 2003 x64 Editions
- CP010838: Storport miniport driver for the HP ProLiant Integrated SATA Controller
- CP010824: ProLiant Storage System Notification Driver
- CP010929: HP Proliant Smart Array Embedded SATA RAID Controller Driver for Microsoft Windows Server 2003/2008 x64 Editions
- CP011164: HP StorageWorks Fibre Channel Adapter Kit for the x64 QLogic Storport Driver
- CP010982: HP StorageWorks Fibre Channel Adapter Kit for the x64 Emulex Storport Driver
- CP010825: HP ProLiant Smart Array Device Manager Extension for Windows Server 2003/2008 x64 Editions
- CP010761: HP ProLiant Smart Array SAS/SATA Event Notification Service for Windows Server 2003 and Windows Server 2008 x64 Editions

- CP010877: HP ProLiant Integrated Lights-Out Management Interface Driver for Windows x64 Editions
- CP010900: HP ProLiant Remote Insight Lights-Out II Board Driver (x64)
- CP010901: HP ProLiant Rack Infrastructure Interface Service for Windows x64 Editions
- CP010817: HP ProLiant Remote Monitor Service
- CP010815: HP ProLiant Integrated Management Log Viewer
- CP010887: ATI ES1000 Video Controller Driver
- CP010922: HP StorageWorks Tape Drivers for Windows
- CP010909: HP Version Control Agent for Windows
- CP010883: HP ProLiant Array Configuration Utility for Windows
- CP010885: HP ProLiant Array Configuration Utility (CLI) for Windows
- CP010959: HP NC-Series Intel Driver for Windows Server 2003 x64 Editions
- CP011065: HP NC-Series Intel E1E Driver for Windows Server 2003 x64 Editions
- CP011069: HP NC-Series Intel E1Q Driver for Windows Server 2003 x64 Editions
- CP010858: HP NC-Series Broadcom 1Gb Driver for Windows Server 2003 x64 Editions
- CP010993: HP NC-Series Broadcom 1Gb Multifunction Driver for Windows Server 2003 x64 Editions
- CP010863: HP NC-Series Broadcom 10GbE Multifunction Driver for Windows Server 2003 x64 Editions
- CP011050: HP NC-Series NetXen nx2 Multifunction Driver for Windows Server 2003 x64 Editions
- CP011061: HP NC-Series NetXen nx3 Multifunction Driver for Windows Server 2003 x64 Editions
- CP011046: QLogic iSCSI HBA STOR Miniport Driver for Windows Server 2003 x64 Editions
- CP011042: QLogic 1GB PCI Ethernet NDIS Miniport Driver for Windows Server 2003 x64 Editions
- CP010847: HP Network Configuration Utility
- CP010757: HP Insight Management Agents for Windows Server 2003/2008 x64 Editions
- CP010313: HP Insight Management WBEM Providers for Windows Server 2003/2008 x64 Editions
- CP010951: HP NULL IPMI Controller Driver for Windows Server 2003 x64 Editions
- CP010919: HP ProLiant IPMI Provider
- CP010744: HP Lights-Out Online Configuration Utility for Windows 2003/2008 x64 Editions
- CP010769: HP Insight Diagnostics Online Edition for Windows Server 2003/2008 x64 Editions
- CP010853: HP StorageWorks x64 Brocade Storport Fibre Channel Host Bus Adapter Driver for Microsoft Windows Server 2003
- CP011334: ACPI-Compliant Power Meter Device Identifier

ROM Flash, Firmware, and BIOS Updates

The ROM Flash updates to the System BIOS, storage controller, and NIC firmware are from the ProLiant Firmware Maintenance CD version 8.30. Some of the following updates may not apply to your storage server.

- CP008262: Online ROM Flash Component for Windows - HP ProLiant ML310 G3 (W02) Servers
- CP009318: Online ROM Flash Component for Windows - HP ProLiant ML310 G4 (W03) Servers
- CP008730: Online ROM Flash Component for Windows - HP ProLiant ML350 G4p (D19) Servers
- CP011183: Online ROM Flash Component for Windows - HP ProLiant ML350 G5 (D21) Servers
- CP009332: Online ROM Flash Component for Windows - HP ProLiant DL320 G5/DL320s (W04) Servers

- CP011208: Online ROM Flash Component for Windows - HP ProLiant DL380 G5 (P56) Servers
- CP009093: Online ROM Flash Component for Windows - HP ProLiant DL585 (A01) Servers
- CP011032: Online ROM Flash Component for Windows - HP ProLiant DL585 G2/DL585 G5 (A07) Servers
- CP010607: Online HP NC-Series Broadcom Online Firmware Upgrade Utility for Windows Server 2003/2008
- CP010608: Online HP NC-Series Broadcom Online Firmware Upgrade Utility for Windows Server 2003/2008 x64 Editions
- CP011094: Online ROM Flash Component for Windows - HP Integrated Lights-Out
- CP006589: Online ROM Flash Component for Windows - HP Remote Insight Lights-Out Edition II
- CP010710: Online ROM Flash Component for Windows - Smart Array E200 and E200i
- cp010460: Online ROM Flash Component for Windows - Smart Array P400 and P400i
- CP009289: Online ROM Flash Component for Windows - Smart Array 5i and SA-532
- CP009359: Online ROM Flash Component for Windows - Smart Array 641/642
- CP009356: Online ROM Flash Component for Windows - Smart Array 6400
- CP009357: Online ROM Flash Component for Windows - Smart Array 6i
- CP008078: Online ROM Flash Component for Windows - MSA20
- CP010459: Online ROM Flash Component for Windows - Smart Array P800
- CP010317: Online ROM Flash Component for Windows - Smart Array P600
- CP010460: Online ROM Flash Component for Windows - Smart Array P400 and P400i
- CP010462: Online ROM Flash Component for Windows - Smart Array E500
- CP011105: Online ROM Flash Component for Windows - Smart Array P212, P410, P410i, P411, and P712m
- CP011138: Online ROM Flash Component for Windows - Smart Array P700m
- CP011186: Online ROM Flash Component for Windows - HP ProLiant BL460c (I15) Servers

System Drivers and Components

The System Drivers and Components include other software, drivers and management agents for your storage server. Some of the following updates may not apply to your storage server.

- Intel NIC drivers and Intel ProSet for Windows Device Manager version 12.1
- HP Server Management System for Windows, version 2.0.2
- Broadcom NetExtreme BCM57xx NIC driver version 10.24
- Broadcom Advanced Control Suite 2 (BACS) version 8.1.51.0
- HP SATA RAID Controller Manager (HPSM) version 4.10–4590
- Adaptec Storage Manager for 2420 SATA Controller version 4.10.4813
- Hotplug Service Update for Adaptec 2420 version 1.0.0.3a

Java Runtime Environment Update, version 1.6.0 Update 14

The Java Runtime Environment is the minimum standard Java computing environment for running applications written in the Java programming language. It contains the Java virtual machine, Java core classes, and supporting files.

HP Service Release Wizard

The HP Service Release Wizard provides a simple user interface to install the Service Release. The Service Release automatically installs the HP Service Release Wizard and replaces the HP Service Release NAS Updater Utility and HP Service Release AiO Updater Utility.

NOTE:

Service Release installation adds the **HP Service Release** service for managing software updates and creates the **HPSRUser** account on the storage server. The HPSRUser account is required to use the HP Service Release Wizard. If needed, the HPSRUser account can be deleted following installation of the Service Release. If the HPSRUser account is removed and the HP Service Release Wizard is needed again, restart the HP Service Release service and run the Service Release setup program.

Microsoft Updates

NOTE:

Some of the following Microsoft updates may not apply to your storage server.

Microsoft Service Packs

The following Microsoft Service Packs are available with the Service Release:

- KB923706: Microsoft System Center Data Protection Manager 2006 Service Pack 1 (HP ProLiant Data Protection Storage Servers only)

Microsoft Component Updates

- Microsoft iSCSI Software Target 3.1
  - Support for Active/Active clustering
  - Microsoft iSCSI Software Target Multilingual User Interface
  - Support for volumes larger than 2 terabytes on a Windows Server 2003-based server cluster (requires hotfix KB919117)

  NOTE:

  Microsoft iSCSI Software Target documentation is located in the Service Release at MICROSOFT\x32\iSCSI\Target\Docs and MICROSOFT\x64\iSCSI\Target\Docs.

- Microsoft iSCSI Software Initiator 2.08
- Microsoft Windows Unified Data Storage Server 2003 Supplemental Update
  - Microsoft iSCSI Software Target 3.1
  - Enhanced management interface for initial configuration of Windows Unified Data Storage Server 2003

NOTE:

Microsoft Windows Unified Data Storage Server 2003 Supplemental Update documentation is located in the Service Release at MICROSOFT\x64\WUDSS\docs.

Microsoft Hotfixes

NOTE:

Microsoft Hotfixes are intentionally unchecked by default in the Service Release. Microsoft Hotfixes or Quick Fix Engineering (QFE) updates are only intended to correct a specific problem and should be applied only if the system is experiencing that specific problem. Review the Microsoft Knowledge Base (KB) article before applying the Hotfix. KB articles can be accessed at http://support.microsoft.com. If you are not severely affected by the specific problem, you should wait for the next Windows Server 2003 Service Pack which might contain the Hotfix.

- KB910330: Modifies the formulas that DPM 2006 uses to allocate space for shadow copy storage on the DPM 2006 to solve the problem of overwriting stored shadow copies
- KB977017: This hotfix repairs the behavior of iSCSI target not able to display the devices
- KB919117: Adds support for GUID partition table (GPT) volumes that are larger than 2 terabytes on a Windows Server 2003-based server cluster
- KB972885: Windows Storage Server- Single Instance Storage (SIS)-2009 Update Rollup
- KB972886: iSCSI software Target 3.1- 2009 Update Rollup
- KB932762: The Service Host process may stop unexpectedly
- KB932755: An updated Storport storage driver (version 5.2.3790.4021) is available for Windows Server 2003
- KB933561: Storport may not delete zombie LUN objects when a storage adapter is surprise removed by software in Windows Server 2003
- KB950448 (x64): You cannot move cluster resources back to the original node on a Windows Server 2003 cluster node that has UMPD driver from Unisys installed
- KB952875 (x64): A Hotfix for when you try to copy files from a UNIX-based client to an NFS share on a Windows Server 2003 R2-based server, the copied files are truncated

Microsoft Security Patches

The following Microsoft Components are available with the Service Release:

- KB942831 (x86): Vulnerability in Internet Information Services could allow elevation of privileges (MS08-005)
- KB974571: Vulnerabilities in CryptoAPI could allow spoofing (MS09-056)
- KB971657: Vulnerability in the Workstation Service could allow elevation of privilege (MS09-041)
- KB953298 (x86): Vulnerabilities in the Microsoft .NET Common Language Runtime Could Allow Remote Code Execution (MS09-061)
- KB956572: Vulnerabilities in Windows Could Allow Elevation of Privilege (MS09-012)
- KB944653 (x86): Vulnerability in Macrovision driver could allow local elevation of privilege (MS07-067)

- KB946026 (x86): Vulnerability in WebDAV Mini-Redirector could allow remote code execution (MS08-007)
- KB923561: Vulnerabilities in WordPad and Office Text Converters Could Allow Remote Code Execution (MS09-010)
- KB970238: Vulnerability in RPC could allow elevation of privilege (MS09-026)
- KB959426: Blended threat vulnerability in SearchPath could allow elevation of privilege (MS09-015)
- KB961501: Vulnerabilities in the Windows Print Spooler could allow remote code execution (MS09-022)
- KB956844: Vulnerability in the DHTML Editing Component ActiveX control could allow remote code execution (MS09-046)
- KB973525: Cumulative Security Update of ActiveX Kill Bits (MS09-055)
- KB932168 (x86): Vulnerability in Microsoft Agent could allow remote code execution (MS07-020)
- KB943055 (x86): Vulnerability in OLE Automation Could Allow Remote Code Execution (MS08-008)
- KB929123 (x86): Cumulative Security Update for Outlook Express and Windows Mail (MS07-034)
- KB951066: Security update for Outlook Express and Windows Mail (MS08-048)
- KB951847 (x86): List of changes and fixed issues in the .NET Framework 3.5 Service Pack 1
- KB970653: cumulative time zone update for Microsoft Windows operating systems
- KB923643 (x86): Description of Windows SharePoint Services Service Pack 3
- KB954459 (x64): Security Update for Microsoft XML Core Services 6.0
- KB956802: Vulnerabilities in GDI Could Allow Remote Code Execution (MS08-071)
- KB954155: Vulnerabilities in Windows Media Runtime Could Allow Remote Code Execution (MS09-051)
- KB955069: Vulnerabilities in Microsoft XML Core Services Could Allow Remote Code Execution (MS08-069)
- KB952954 (x86): Vulnerability in Microsoft Windows Image Color Management System Could Allow Remote Code Execution (MS08-046)
- KB958687: Vulnerabilities in SMB Could Allow Remote Code Execution (MS09-001)
- KB944338(x86): Vulnerability in the VBScript and JScript scripting engines could allow remote code execution (MS08-022)
- KB970483: Vulnerabilities in Internet Information Services (IIS) could allow elevation of privilege (MS09-020)
- KB939778 (x86): Vulnerability in Windows Services for UNIX could allow elevation of privilege (MS07-053)
- KB950974 (x86): Vulnerability in Event System could allow remote code execution (MS08-049)
- KB924667 (x86): Vulnerability in Microsoft Foundation Classes could allow for remote code execution (MS07-012)
- KB956803: Vulnerability in the Microsoft Ancillary Function driver could allow elevation of privilege (MS08-066)
- KB971032: Vulnerability in Message Queuing could allow elevation of privilege (MS09-040)
- KB957097: Vulnerability in SMB could allow remote code execution (MS08-068)
- KB960859: Vulnerability in Telnet could allow remote code execution (MS09-042)
- KB952069: Vulnerabilities in Windows Media Components Could Allow Remote Code Execution (MS08-076)
- KB952004: Vulnerabilities in Windows Could Allow Elevation of Privilege (MS09-012)

- KB945553 (x86): Vulnerability in DNS Client Could Allow Spoofing (MS08-020)
- KB950762 (x86): Vulnerabilities in Pragmatic General Multicast (PGM) could allow denial of service (MS08-036)
- KB951748 (x86): Vulnerabilities in DNS Could Allow Spoofing (MS08-037)
- KB967723: Vulnerabilities in Windows TCP/IP could allow remote code execution (MS09-048)
- KB926122 (x86): Vulnerability in Windows Active Directory could allow remote code execution (MS07-039)
- KB969059: Vulnerability in Indexing Service could allow remote code execution (MS09-057)
- KB975254: Vulnerabilities in FTP Service for Internet Information Services could allow remote code execution (MS09-053)
- KB942830 (x86): Vulnerability in Internet Information Services could allow remote code execution (MS08-006)
- KB960225: Vulnerability in SChannel could allow spoofing (MS09-007)
- KB953155: Vulnerability in Windows Internet Printing service could allow remote code execution (MS08-062)
- KB968537: Vulnerabilities in Windows Kernel could allow elevation of privilege (MS09-025)
- KB971486: Vulnerabilities in Windows kernel could allow elevation of privilege (MS09-058)
- KB968816: Vulnerabilities in Windows Media Format Could Allow Remote Code Execution (MS09-047)
- KB930178 (x86): Vulnerability in Windows CSRSS could allow remote code execution (MS07-021)
- KB973540: Vulnerabilities in Microsoft Active Template Library (ATL) Could Allow Remote Code Execution (MS09-037)
- KB974455: Cumulative Security Update for Internet Explorer (MS09-054)
- KB975025: Vulnerabilities in Windows Media Runtime Could Allow Remote Code Execution (MS09-051)
- KB941569(x86): Vulnerability in Windows Media File Format Could Allow Remote Code Execution (MS07-068)
- KB958469: Vulnerabilities in Remote Desktop Connection Could Allow Remote Code Execution (MS09-044)
- KB933854(x86): Vulnerabilities in Remote Desktop Connection Could Allow Remote Code Execution (MS09-044)
- KB938127(x86): Vulnerability in Vector Markup Language Could Allow Remote Code Execution (MS07-050)
- KB971961: Vulnerability in JScript Scripting Engine Could Allow Remote Code Execution (MS09-045)
- KB960803: Vulnerabilities in Windows HTTP Services Could Allow Remote Code Execution (MS09-013)
- KB958644: Vulnerability in Server Service Could Allow Remote Code Execution (MS08-067)
- KB971557: Vulnerabilities in Windows Media File Processing Could Allow Remote Code Execution (MS09-038)
- KB973869: Vulnerabilities in Microsoft Active Template Library (ATL) Could Allow Remote Code Execution (MS09-037)
- KB943460(x86): Vulnerability in Windows URI Handling Could Allow Remote Code Execution (MS07-061)
- KB958869: Vulnerabilities in GDI+ Could Allow Remote Code Execution (MS09-062)
- KB925902(x86): Vulnerability in GDI could allow remote code execution (MS07-017)

- KB973507: Vulnerabilities in Microsoft Active Template Library (ATL) Could Allow Remote Code Execution (MS09-037)
- KB974112: Vulnerability in Windows Media Player Could Allow Remote Code Execution (MS09-052)
- KB973354: Vulnerabilities in Microsoft Active Template Library (ATL) Could Allow Remote Code Execution (MS09-037)
- KB961371: Vulnerabilities in the Embedded OpenType Font Engine Could Allow Remote Code Execution (MS09-029)
- KB971633: Vulnerabilities in Microsoft DirectShow Could Allow Remote Code Execution (MS09-028)
- KB973815: Vulnerabilities in Microsoft Active Template Library (ATL) Could Allow Remote Code Execution (MS09-037)

Supersedes history

PSS SR 6.9, AiO SR 1.4.3

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